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THE OPEN UNIVERSITY OF SRI LANKA
FACULTY OF HEALTH SCIENCES
DEPARTMENT OF PHARMACY
ACADEMIC YEAR 2019/2020 – SEMESTER I



BACHELOR OF PHARMACY HONOURS
BPU 2221 – PATHOPHYSIOLOGY – LEVEL 4
FINAL EXAMINATION
DURATION: THREE (3) HOURS

DATE: 28TH SEPTEMBER 2020

TIME: 9:30 A.M. – 12.30 P. M.

INDEX NO:

Index No.....

Short Answer Questions (SAQs) – (40 marks)

1.

1.1 Name two (02) inherited bleeding disorders. (02 marks)

1.....

2.....

1.2 List four (04) blood components that are used in transfusions. (04 marks)

1.....

2.....

3.....

4.....

1.3 Write four (04) complications of blood transfusion. (04 marks)

1.....

2.....

3.....

4.....

2.

2.1 List four (04) clinical features of hyperthyroidism/thyrotoxicosis. (04 marks)

1.....

2.....

3.....

4.....

Index No.....

2.2 List three (03) complications of diabetes mellitus. (03 marks)

- 1.....
- 2.....
- 3.....

2.3 Write three (03) outcomes of excess growth hormone secretion. (03 marks)

- 1.....
- 2.....
- 3.....

3.1. Define hydronephrosis. (04 marks)

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-
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3.2. List three (03) types of renal stones. (03 marks)

- 1.....
- 2.....
- 3.....

3.3. List three (03) causes of urinary tract obstructions. (03 marks)

- 1.....
- 2.....
- 3.....

Index No.....

4.
4.1. Write two (02) main effects of parathyroid hormone in the regulation of calcium homeostasis. (02 marks)

1.....

2.....

3.....

4.2. List four (04) causes of secondary osteoporosis. (04 marks)

1.....

2.....

3.....

4.....

4.3. Draw a labeled diagram to show the basic structure of a joint. (04 marks)

Index No.....

Part C – 02 Structured Essay Questions - 40 marks

1.

1.1 Give two (02) examples each for the four types of hypersensitivity reactions as per the Coombs and Gell classification. (08 marks)

1.2 Briefly explain the pathogenetic mechanism of type I hypersensitivity reactions. (10 marks)

1.3 What is the main difference between hypersensitivity and autoimmunity? (02 marks)

2.

2.1. List four (04) precipitating factors of asthma. (04 marks)

2.2. Briefly describe the pathogenesis of asthma. (10 marks)

2.3. Briefly explain the pathological changes that occur in chronic obstructive pulmonary disease (COPD). (06 marks)